

Fig. 1

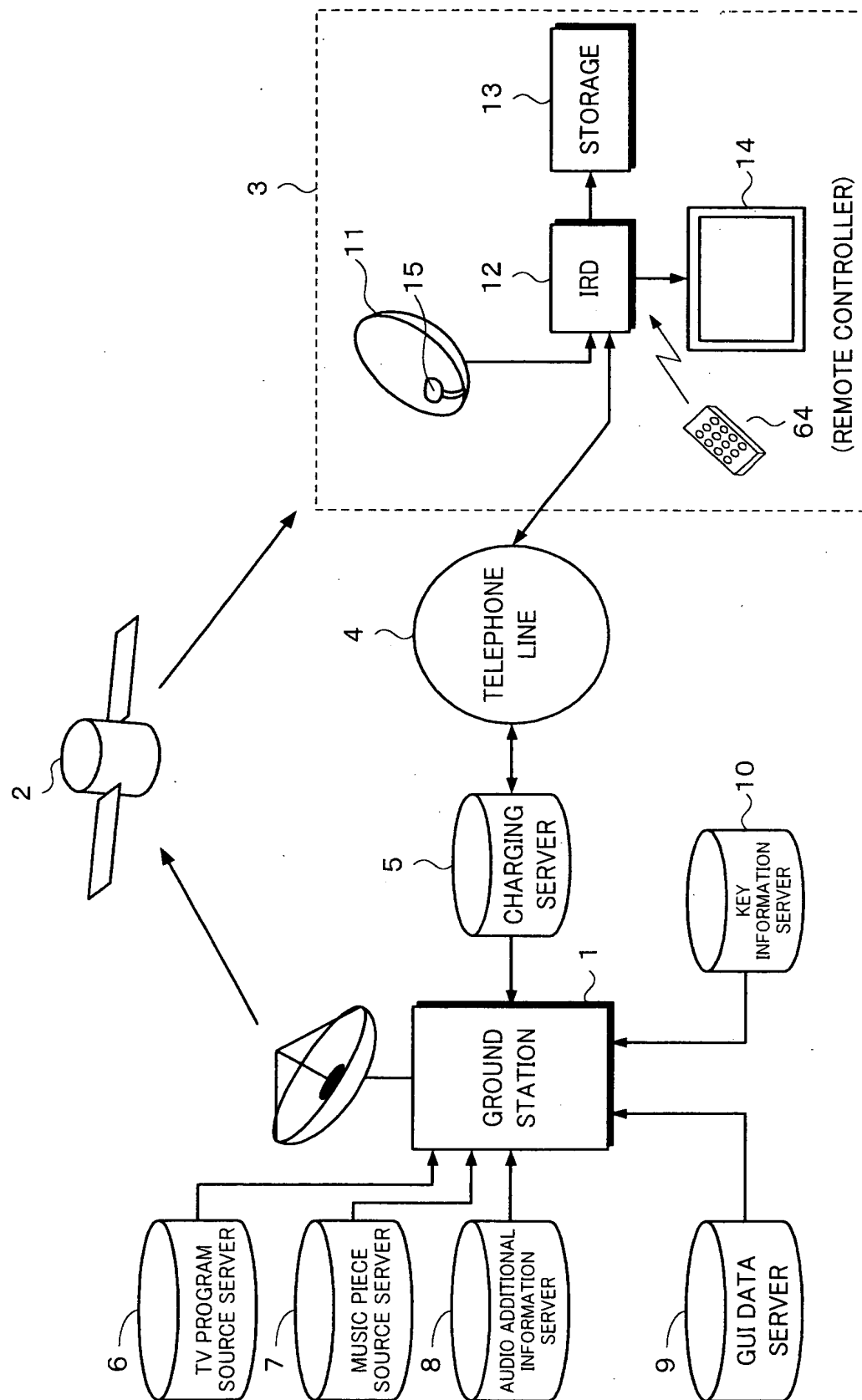


Fig. 2

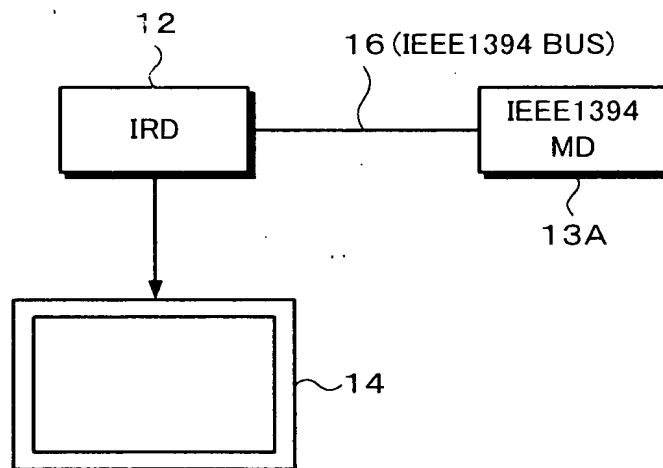
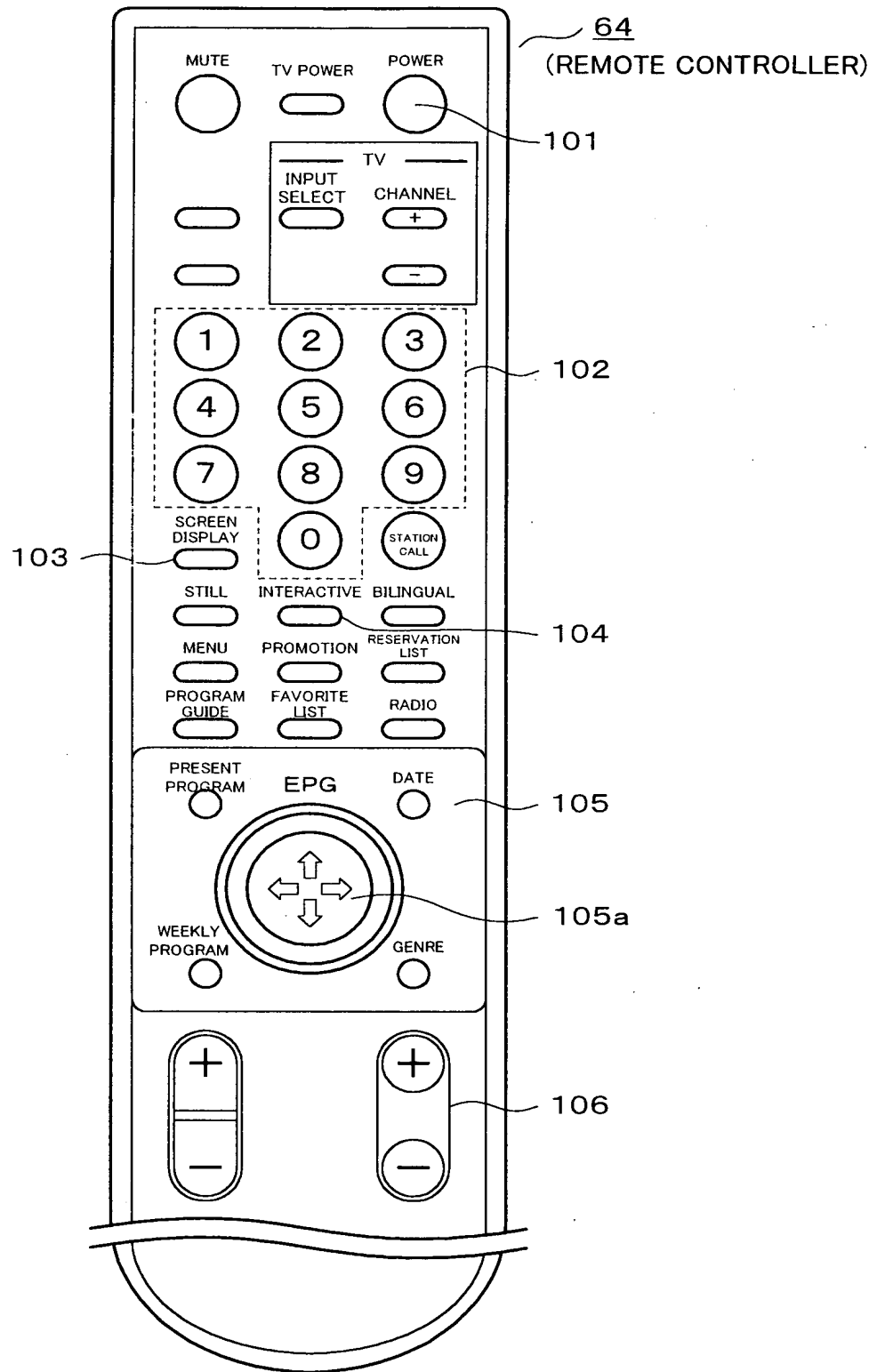


Fig. 3



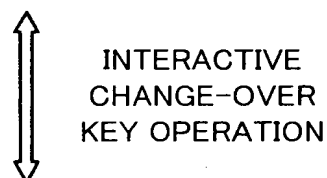
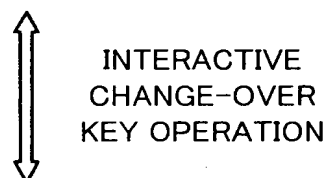
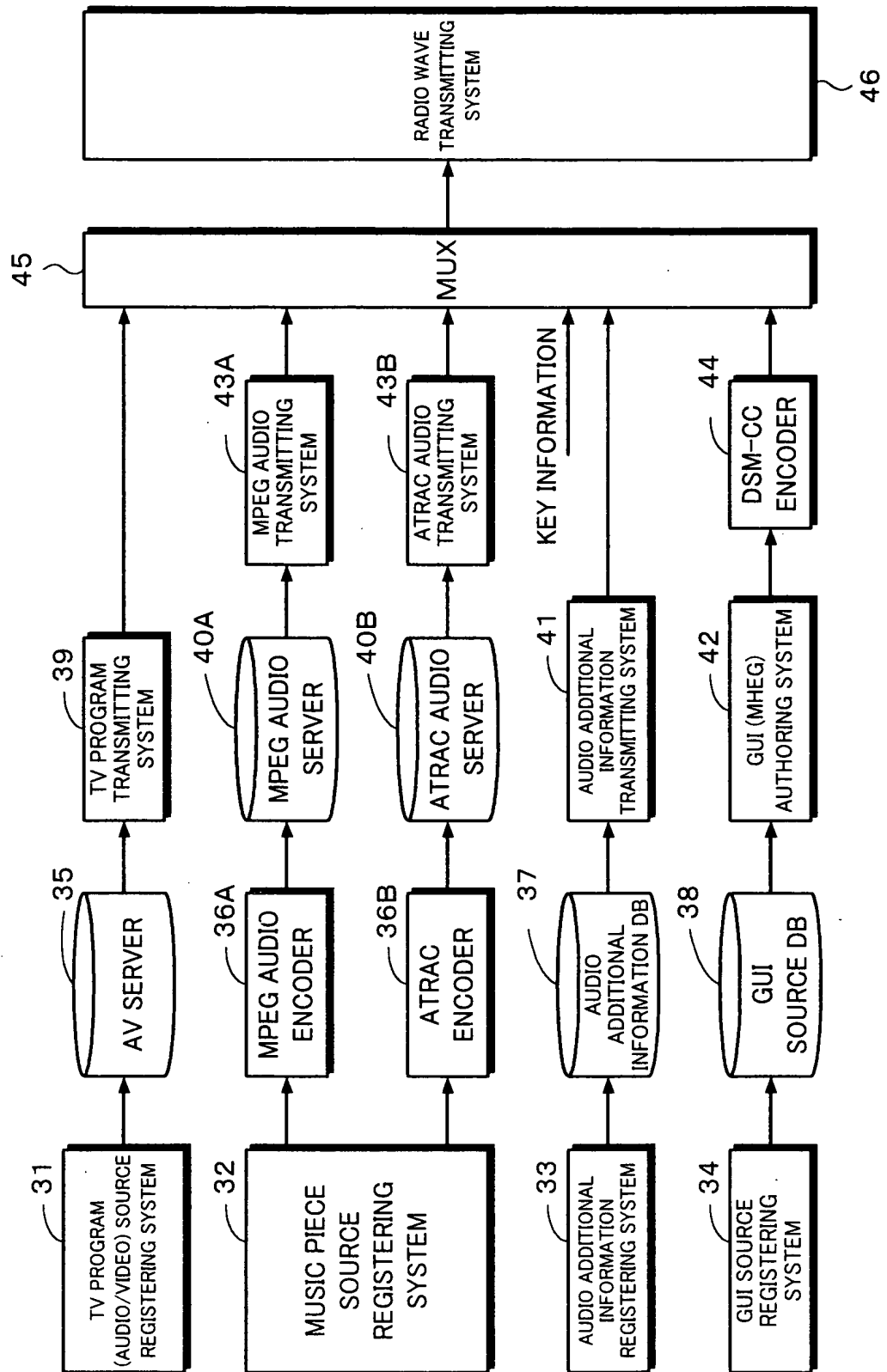
[illegible][illegible]

Fig. 5



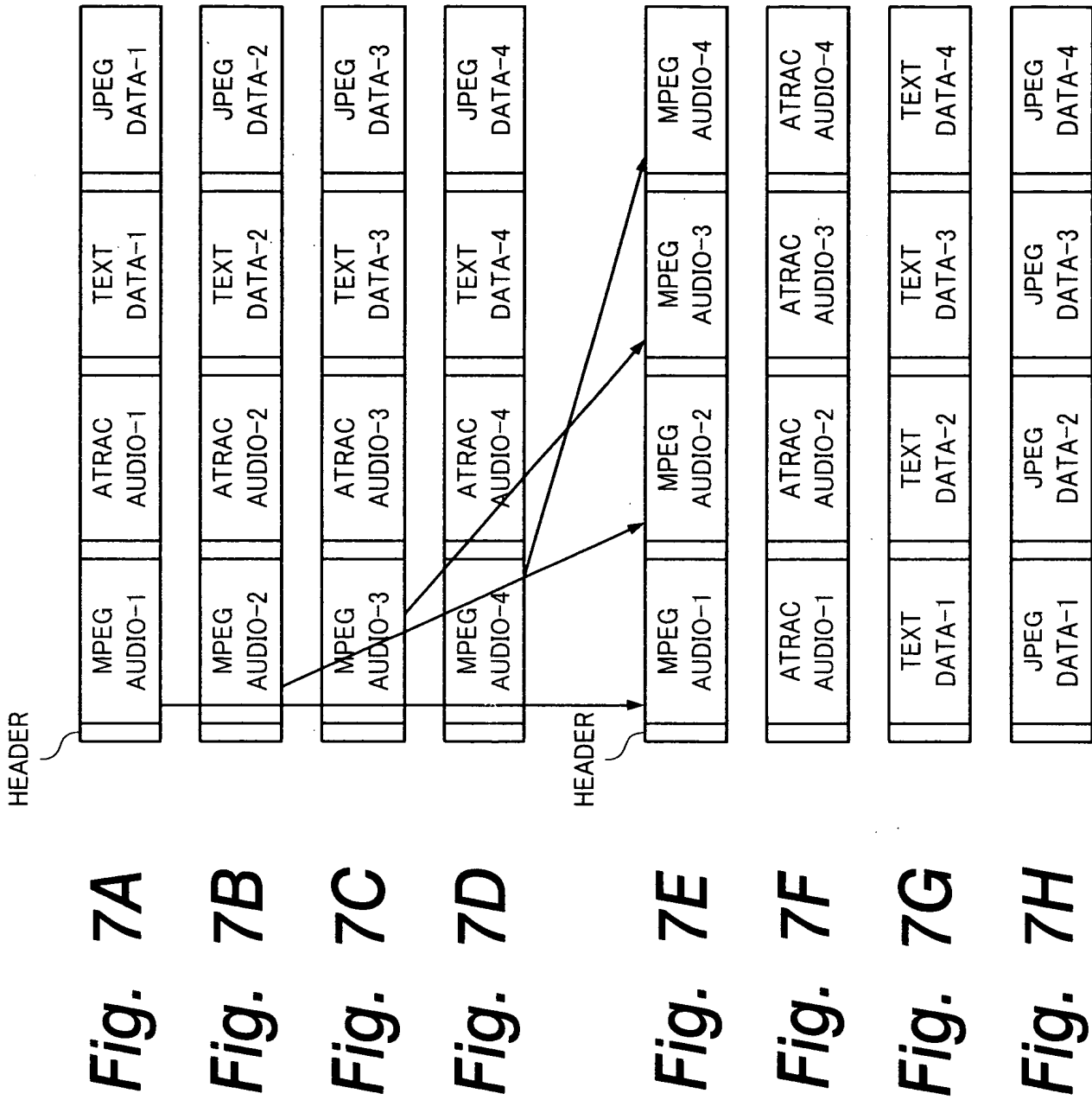
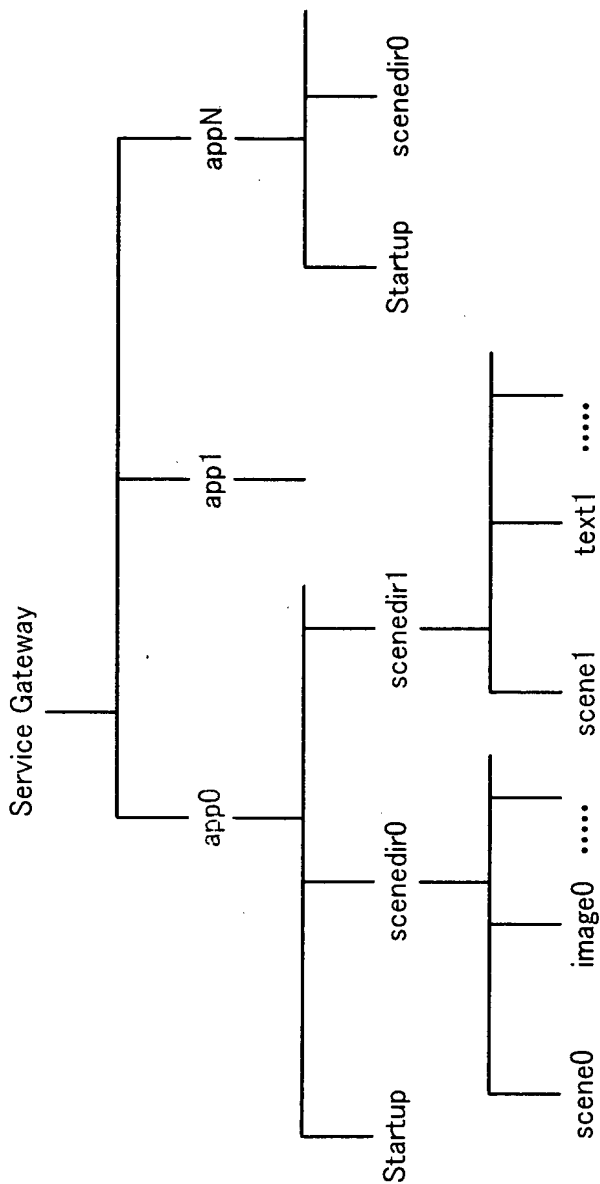


Fig. 8F

Fig. 9



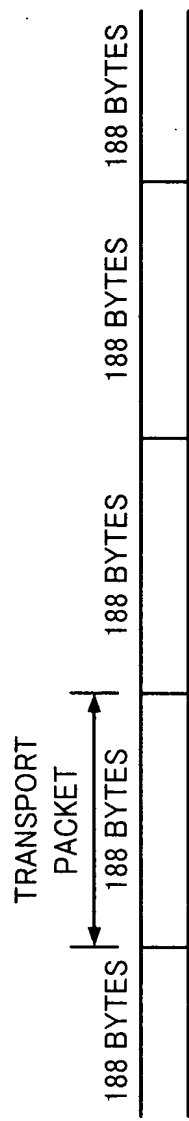


Fig. 10A

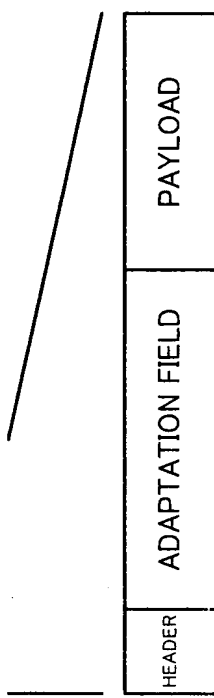


Fig. 10B

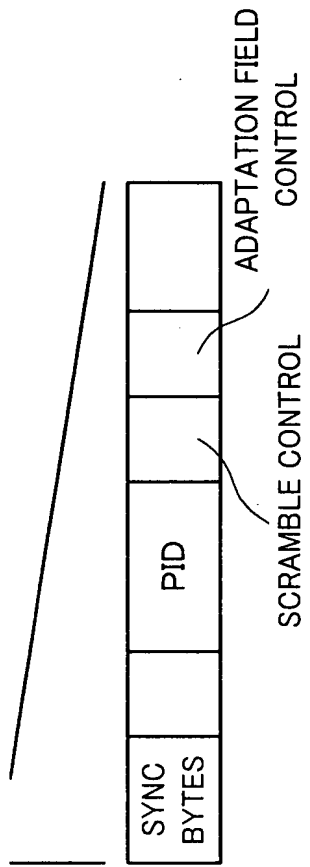


Fig. 10C



Fig. 11A

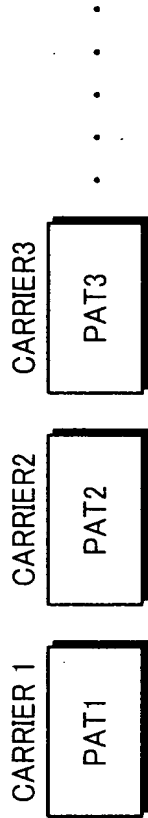


Fig. 11B

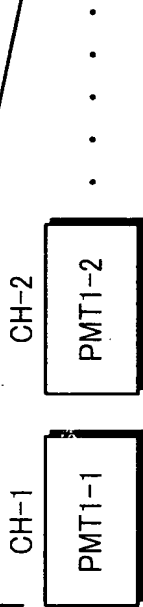


Fig. 11C

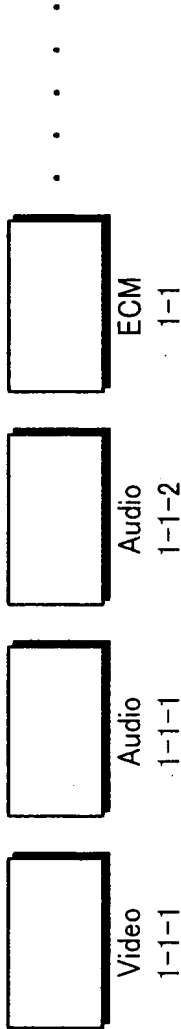


Fig. 11D

Fig. 12

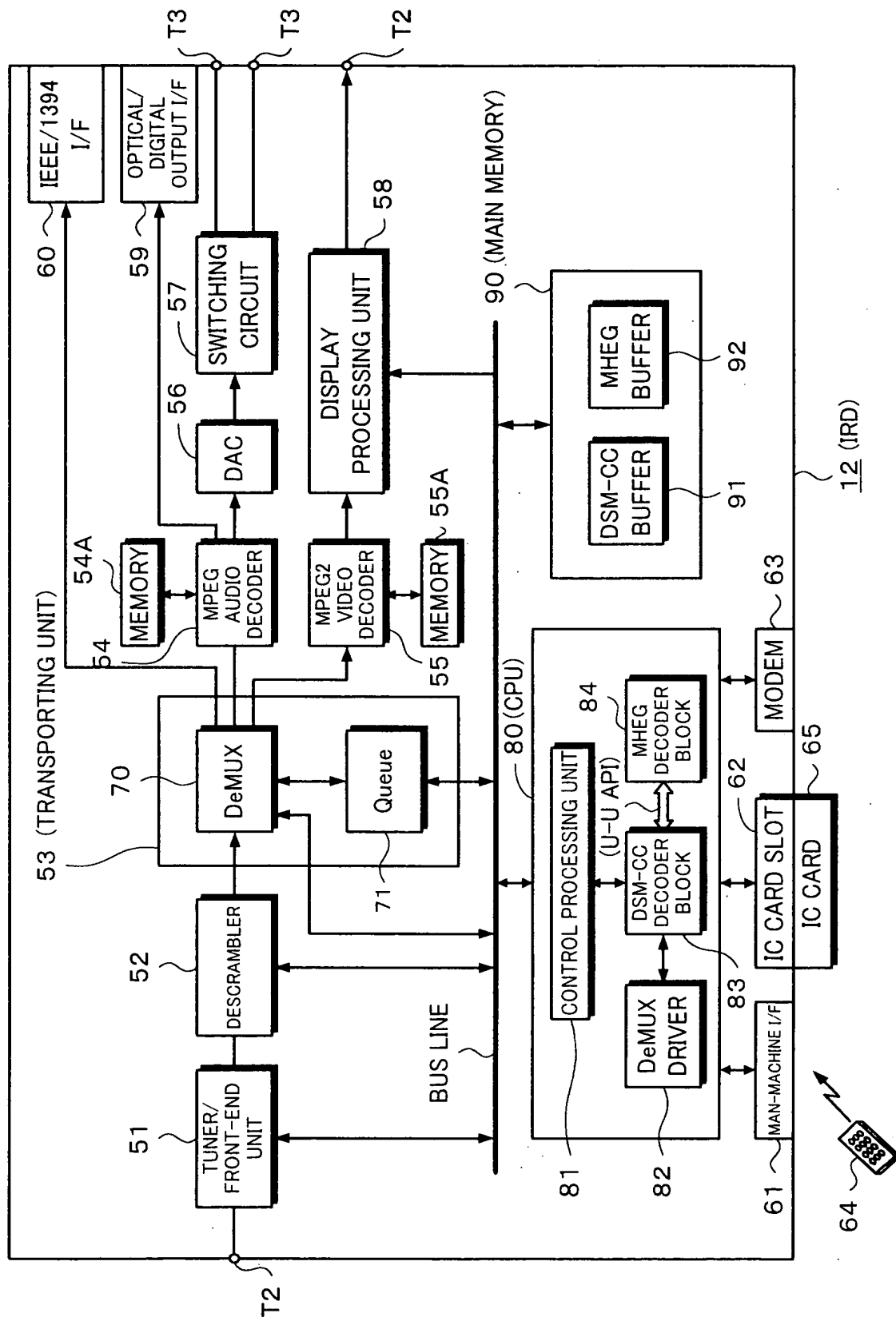
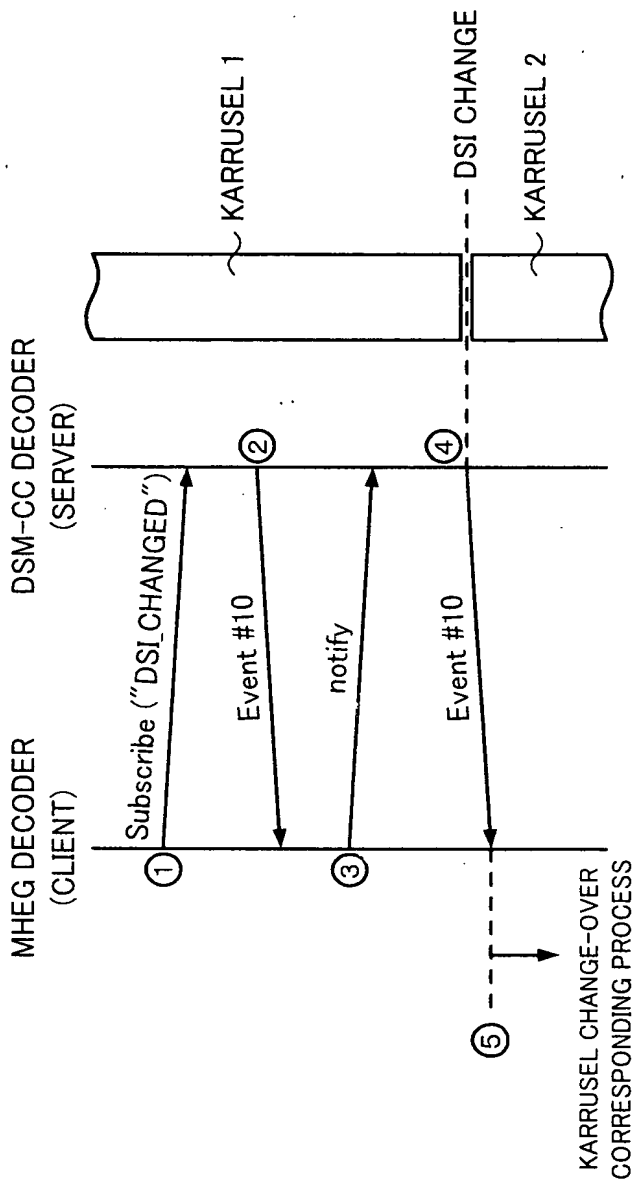




Fig. 14



THE FIRST EXAMPLE

Fig. 16

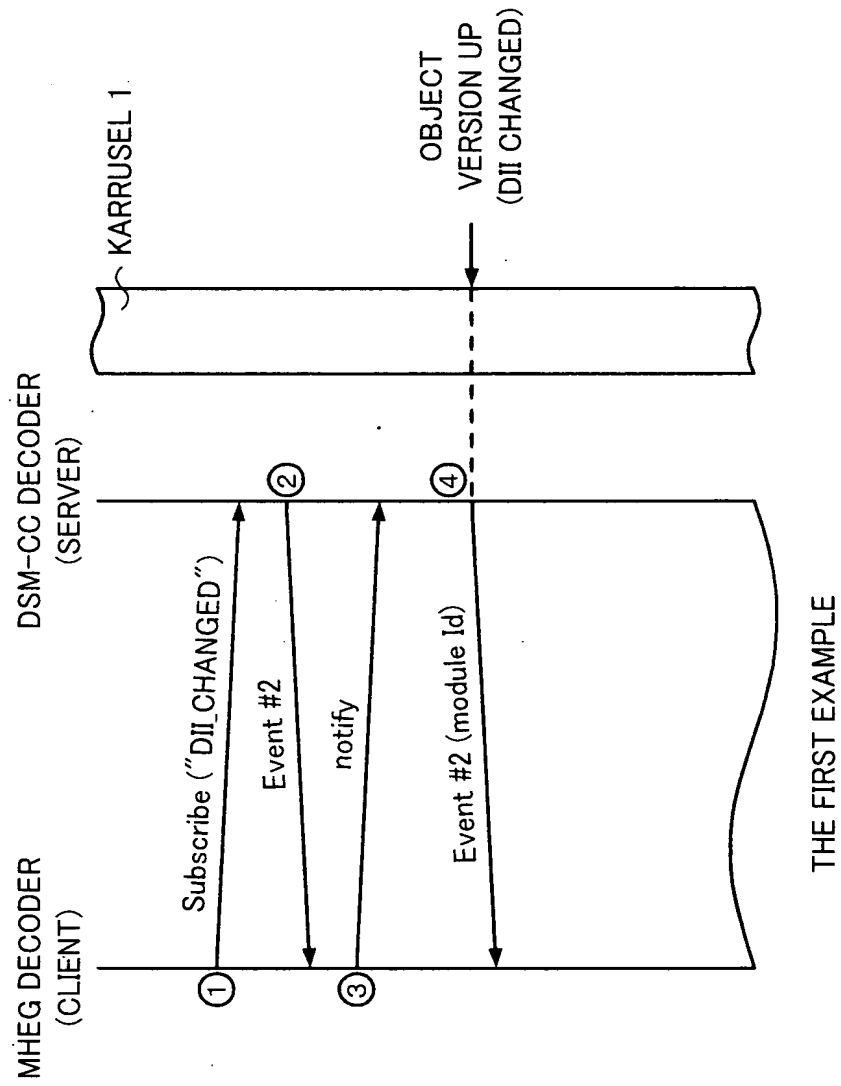
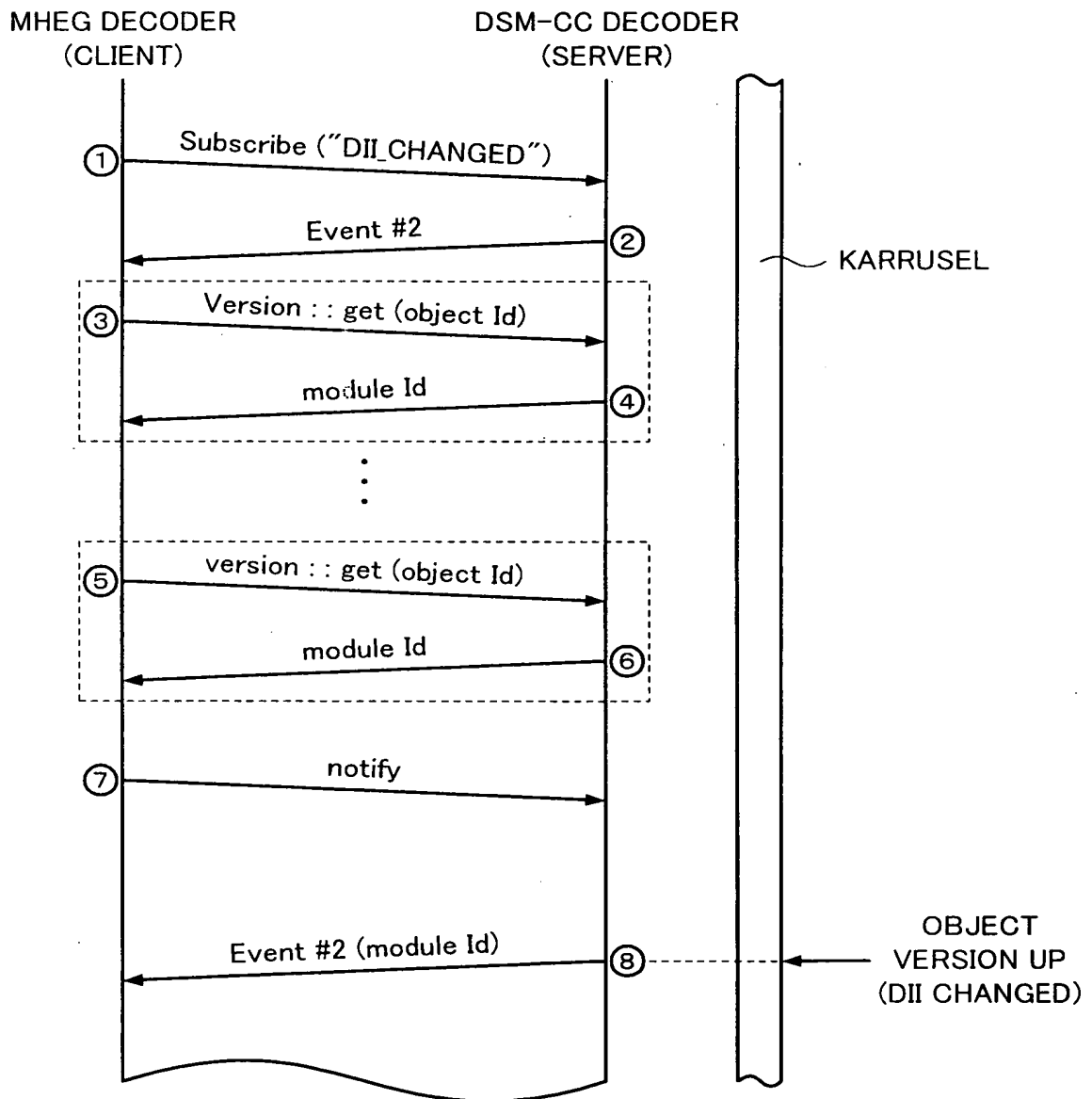


Fig. 17



THE SECOND EXAMPLE

00554099-030700

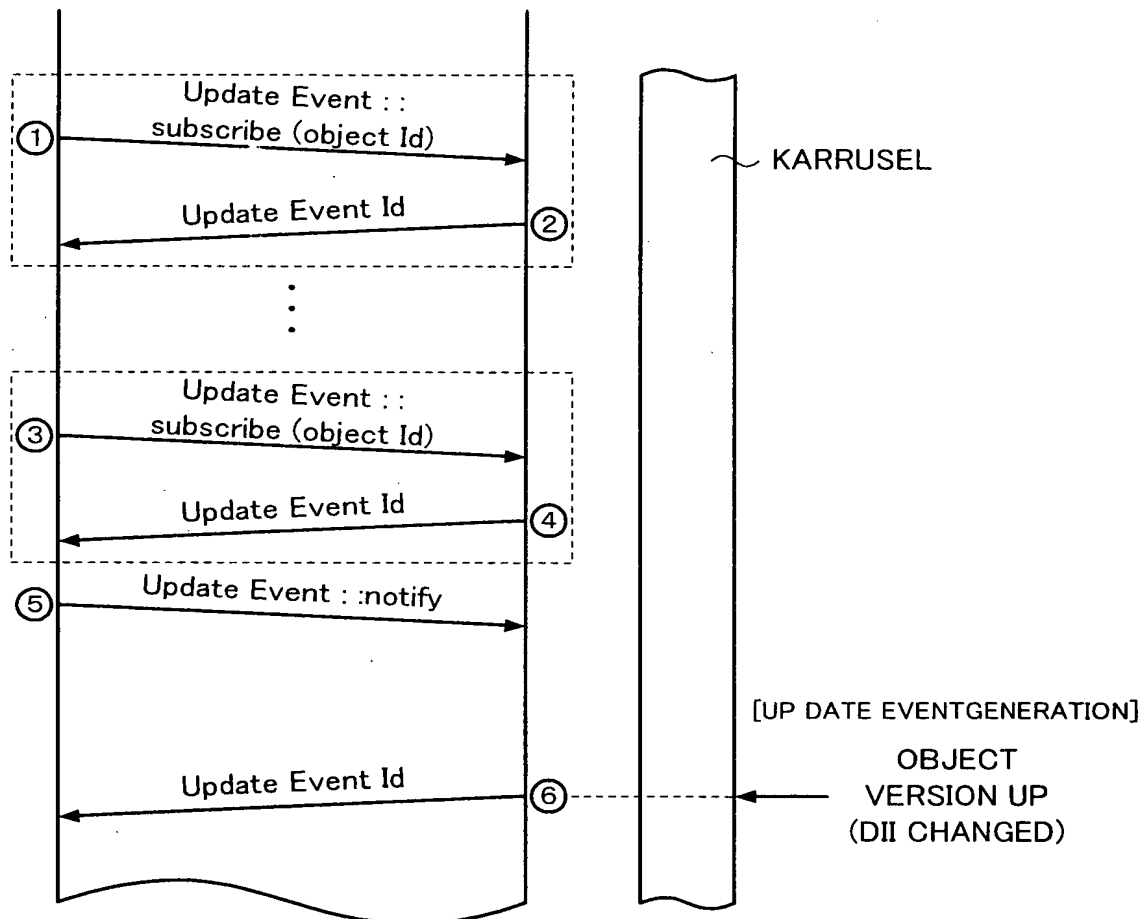
Fig. 18

| object Id | module Id |
|-----------|-----------|
| | |
| | |
| | |
| | |
| | |

Fig. 19

MHEG DECODER
(CLIENT)

DSM-CC DECODER
(SERVER)



THE THIRD EXAMPLE

Fig. 20A

| object Id | Update Event Id |
|-----------|-----------------|
| | |
| | |
| | |
| | |
| | |

MHEG DECODER TABLE

Fig. 20B

| Update Event Id | module Id | module Ver. No |
|-----------------|-----------|----------------|
| | | |
| | | |
| | | |
| | | |
| | | |

DSM-CC DECODER TABLE

Fig. 21

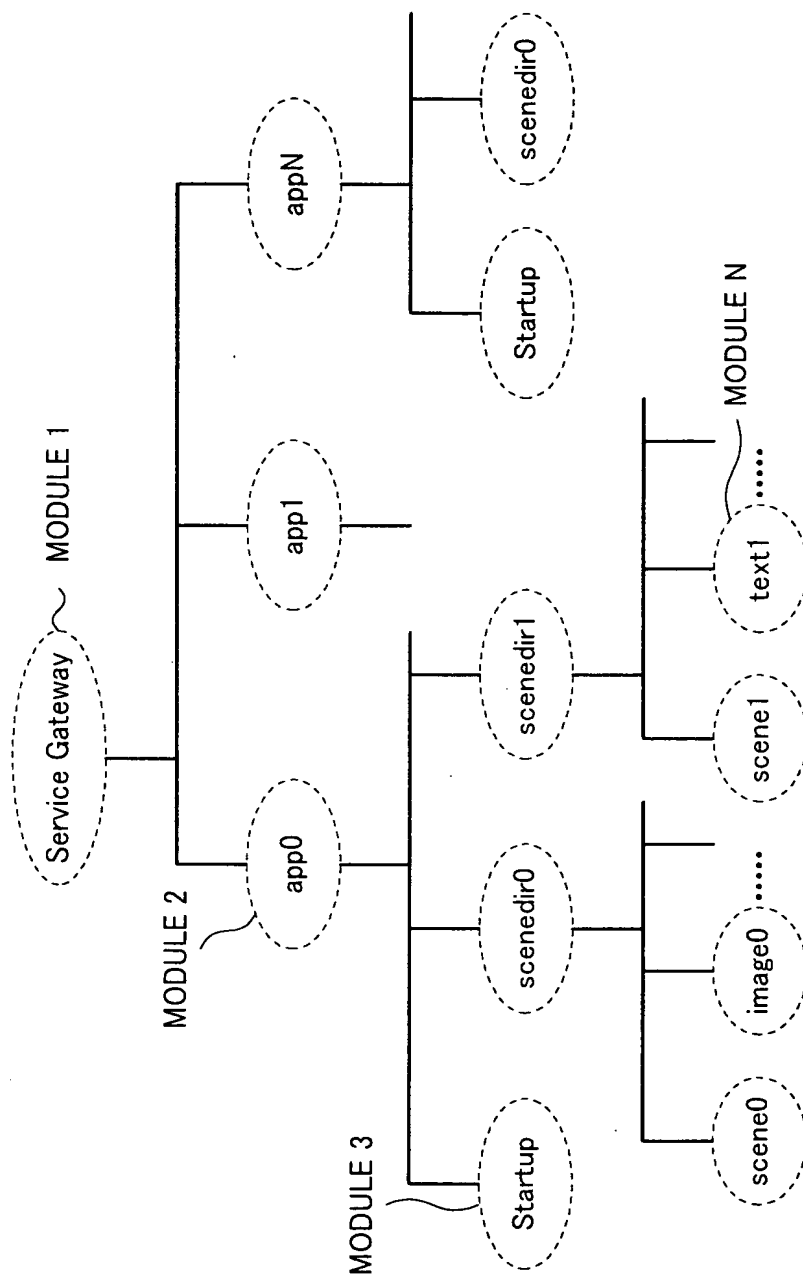


Fig. 22

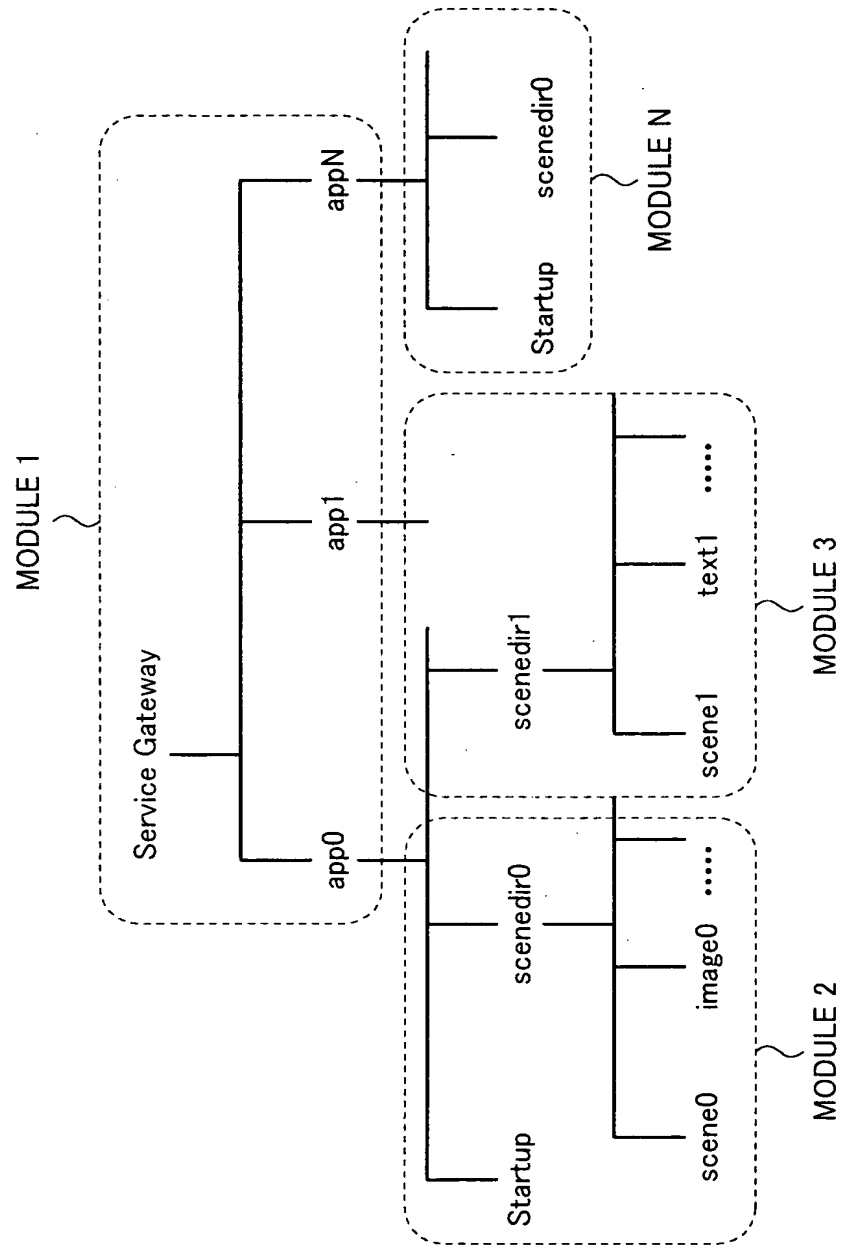
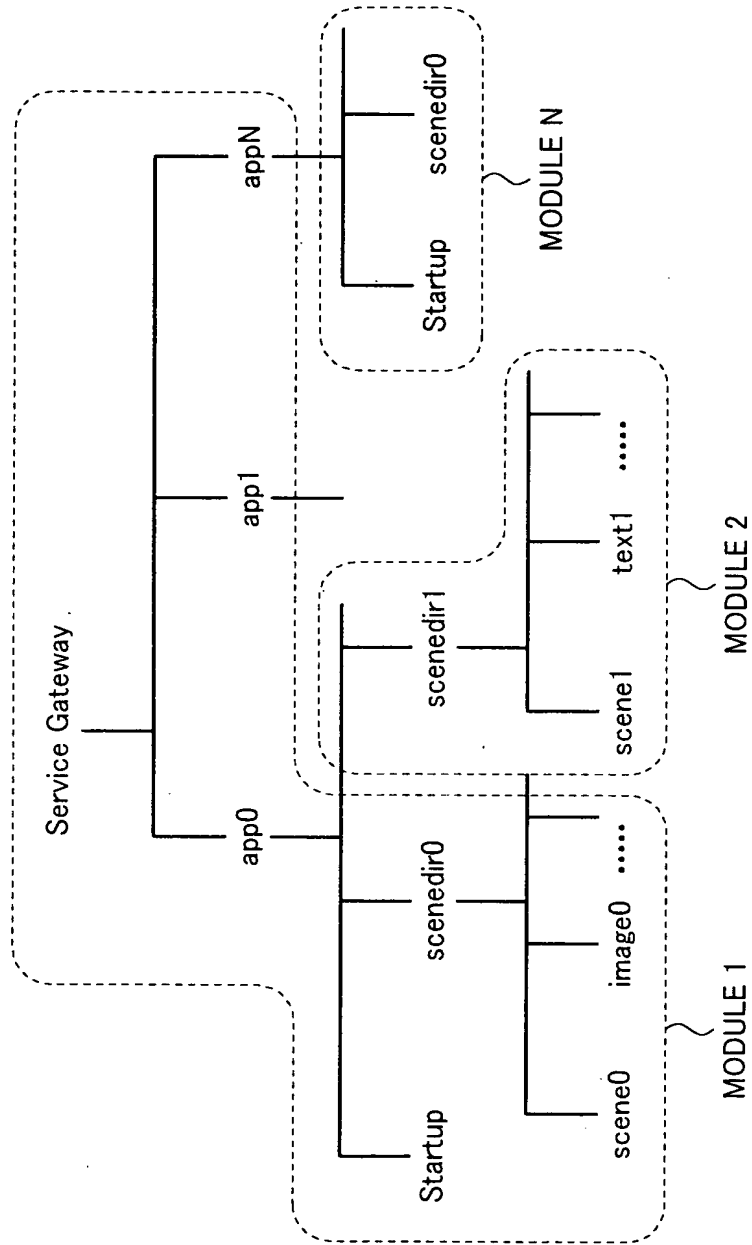
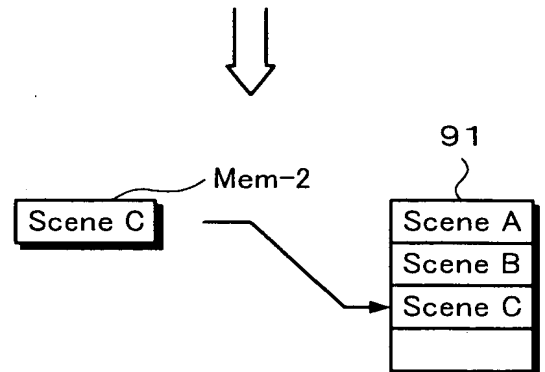
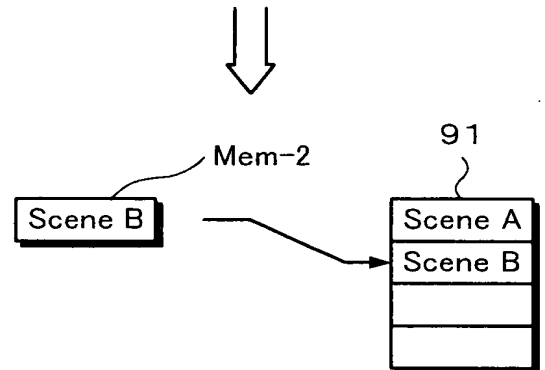
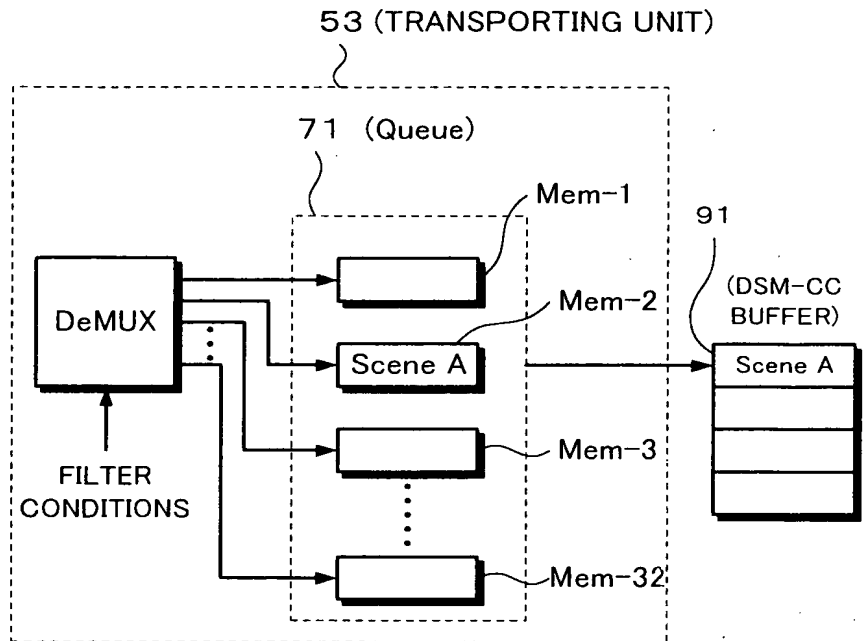
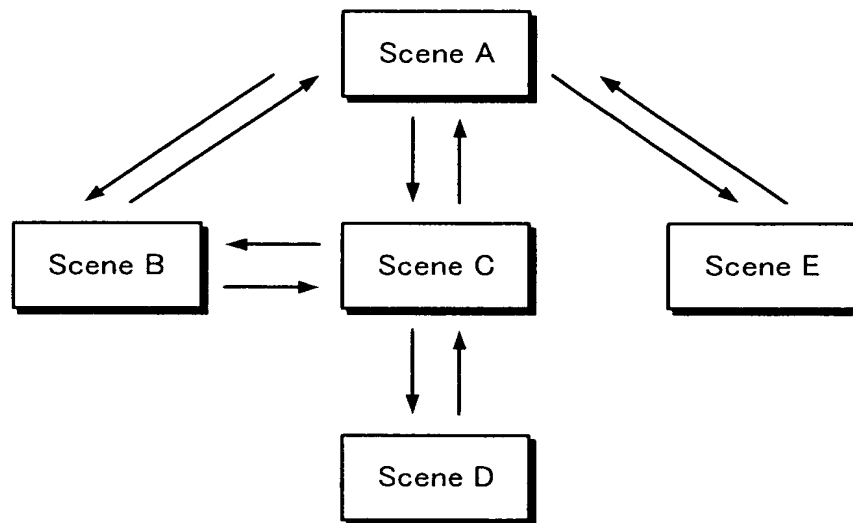


Fig. 23

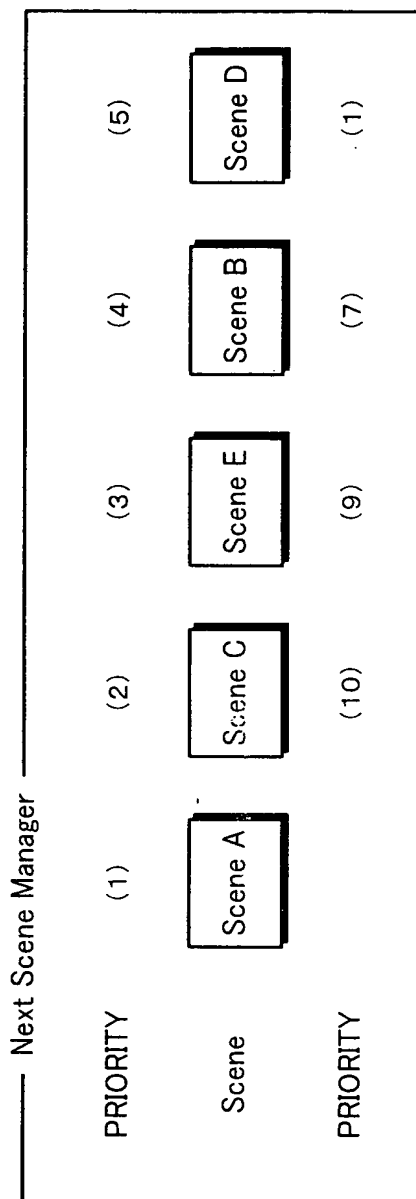






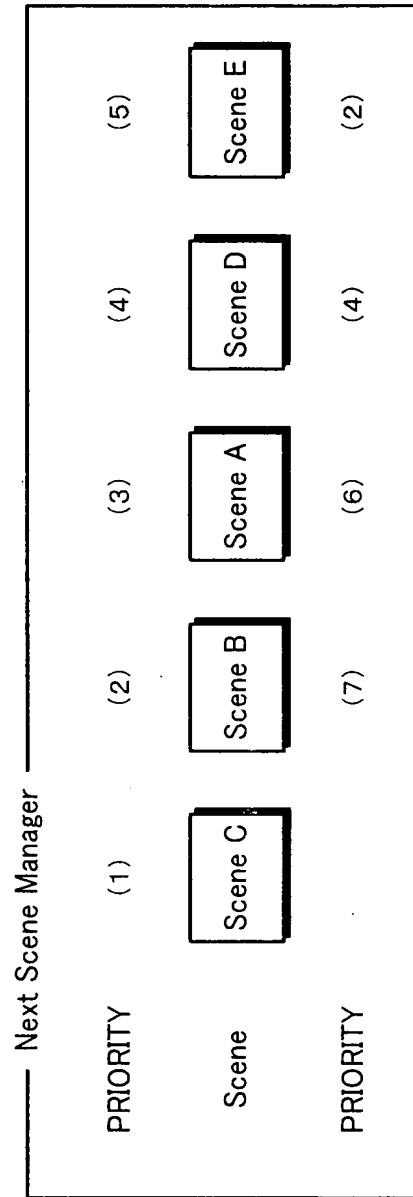
TRANSITION EXAMPLE

Fig. 26



WHEN SCENE A IS OUTPUTTED

Fig. 27



WHEN SCENE C IS OUTPUTTED

Fig. 28A **Fig. 28B**

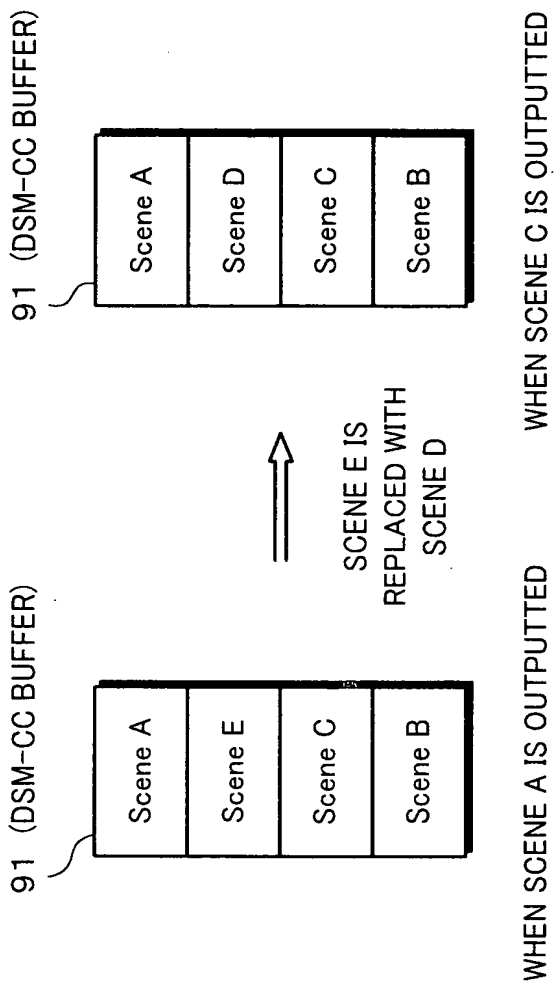
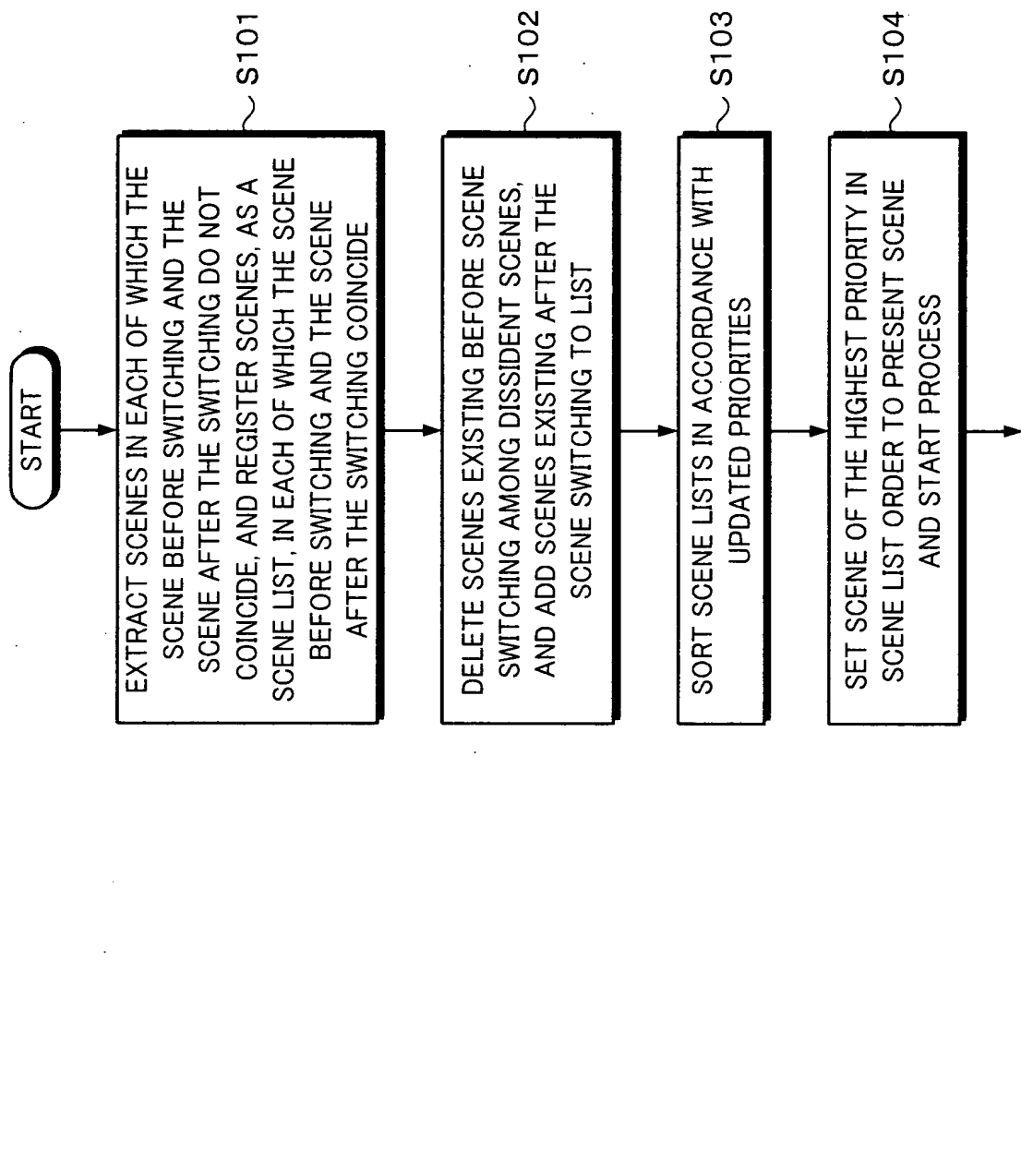


Fig. 29A



```

graph TD
    S105[CHECK SIZE OF PRESENT SCENE MODULE] --> S106{PRESENT MODULE HAS BEEN STORED IN DSM-CC BUFFER?}
    S106 -- Y --> S107{REMAINING CAPACITY OF DSM-CC BUFFER IS LARGER THAN SIZE OF PRESENT SCENE MODULE?}
    S106 -- N --> S105
    S107 -- Y --> S111[FETCH PRESENT SCENE MODULE]
    S107 -- N --> S108[IDENTIFY SCENE MODULE WHOSE PRIORITY IS THE LOWEST AT PRESENT IN DSM-CC BUFFER]
    S111 --> S110[SET SCENE OF NEXT PRIORITY TO PRESENT SCENE AND START PROCESS]
    S110 --> S105
    S108 --> S109{PRIORITY IS LOWER THAN THAT OF PRESENT SCENE?}
    S109 -- Y --> S112[ERASE SCENE MODULE OF LOW PRIORITY FROM DSM-CC BUFFER]
    S109 -- N --> END([END])
    S112 --> S105

```

Fig. 30C



Fig. 31

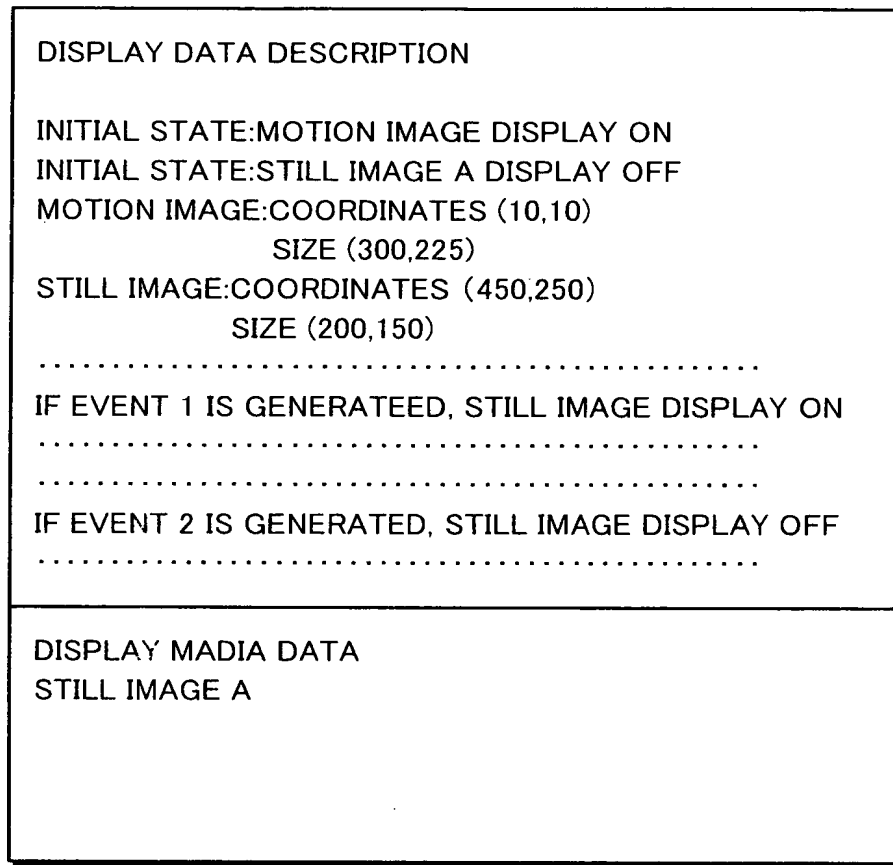


Fig. 32

HEADER INDICATING STREAM EVENT PACKET

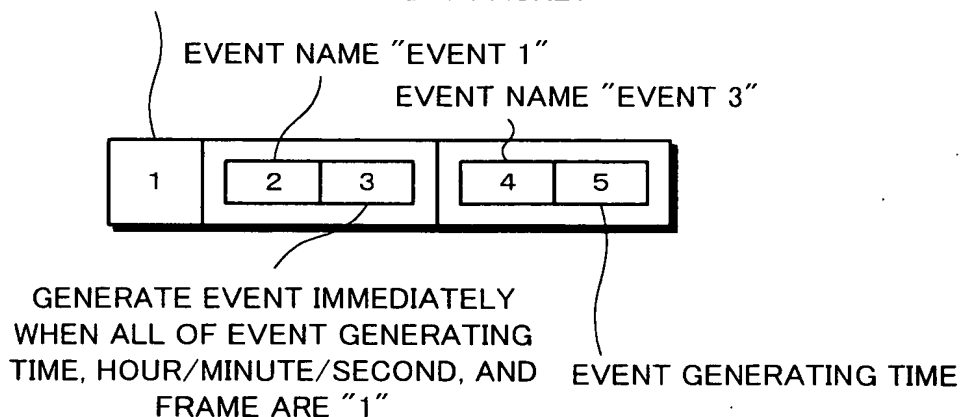


Fig. 33A



Fig. 33B

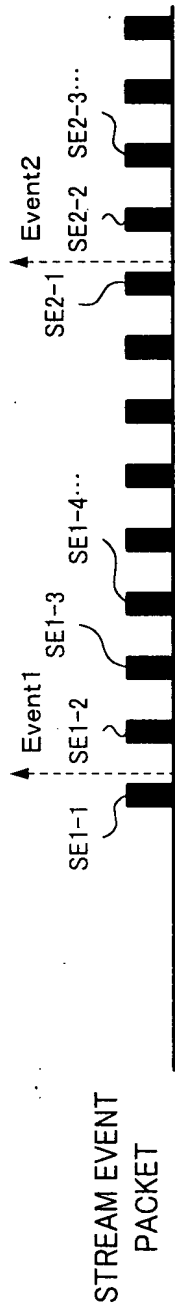


Fig. 33C



Fig. 33D

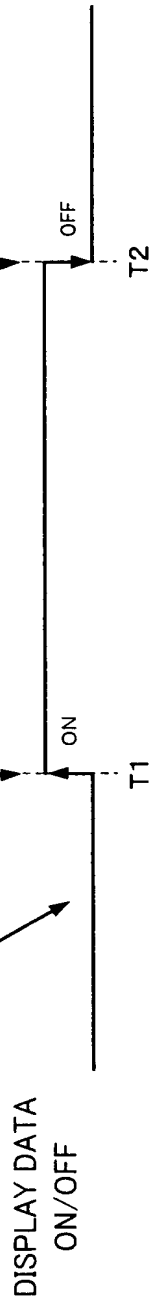


Fig. 35C

Fig. 35E

Fig. 36A

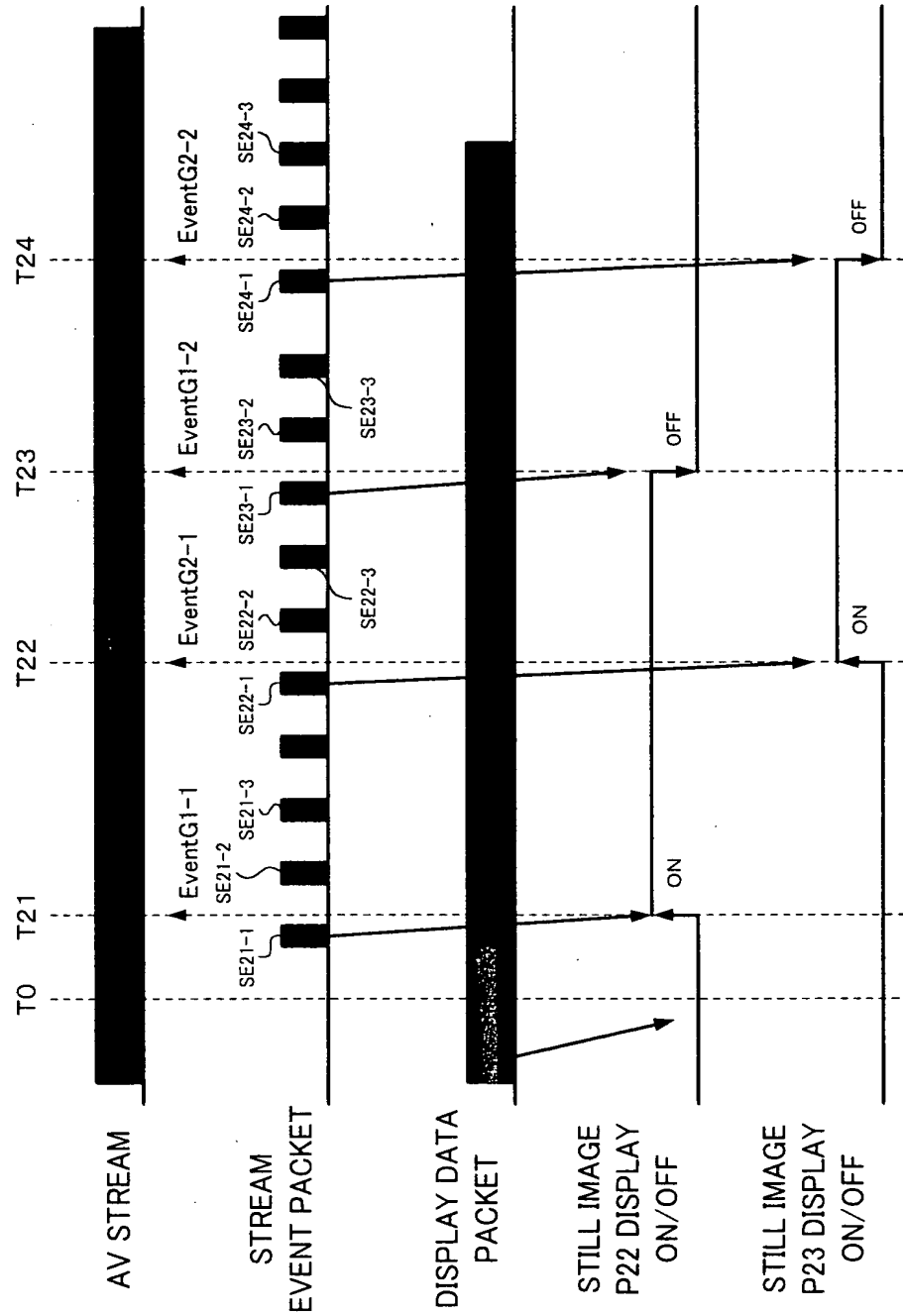


Fig. 36B

Fig. 36C

Fig. 36D

Fig. 36E

```

1..  GROUND STATION
2..  SATELLITE
3..  RECEIVING FACILITIES
38.. GUI SOURCE DATABASE
42.. GUI AUTHORIZING SYSTEM
44.. DSM-CC ENCODER
45.. MULTIPLEXER

```